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AP - JP19960239702 19960821

CPY - NOEV-N

DC - B05 D21 E19

DR - 0104-U 0169-U 0828-U 1210-U

FS - CPI

IC - A61K7/00 ; A61K7/48 ; A61K31/195 ; A61K31/215 ; A61K31/70 ; A61K38/00

MC - B04-C01 B07-D03 B10-A09B B10-B02D B10-B02J B14-N17 B14-R01 D08-B09A  
D09-E E07-D03 E10-A09B8 E10-B02

M2 - [01] H1 H100 H181 H4 H498 H9 J0 J014 J1 J171 J2 J271 J3 J372 M210 M211  
M212 M213 M214 M215 M216 M220 M221 M222 M223 M224 M225 M226 M231 M232  
M233 M272 M281 M311 M312 M321 M322 M332 M342 M343 M349 M381 M393 M416  
M431 M620 M782 M903 M904 P943; 9819-11701-M

- [02] H1 H101 H182 J0 J014 J1 J172 J173 J2 J271 J272 J3 J373 K0 K2 K224  
M210 M211 M212 M213 M214 M215 M216 M220 M221 M222 M223 M224 M225 M226  
M231 M232 M233 M272 M281 M282 M311 M312 M322 M323 M332 M342 M343 M349  
M381 M393 M416 M431 M620 M782 M903 M904 P943 V0 V902 V911 V921;  
9819-11702-M

- [03] H1 H100 H181 J0 J011 J1 J171 M280 M312 M321 M331 M340 M342 M349  
M381 M391 M416 M431 M620 M782 M903 M904 M910 P943; R01210-M; 1210-U

- [04] H1 H100 H181 J0 J011 J1 J171 M280 M311 M321 M342 M349 M381 M391  
M416 M431 M620 M782 M903 M904 M910 P943; R00104-M; 0104-U

- [05] B615 B702 B713 B720 B797 B815 B832 D011 D019 D931 F011 F012 F013  
F014 F015 F019 F113 F199 F432 H1 H100 H123 H2 H202 H4 H404 H424 H8 J0  
J011 J3 J311 K0 L8 L812 L819 L821 L834 L943 M280 M311 M322 M342 M373  
M392 M411 M431 M511 M523 M530 M540 M782 M903 M904 M910 P943 V0 V762  
V801; R00169-M; 0169-U

- [06] H1 H100 H181 K0 K4 K431 M280 M312 M321 M332 M342 M383 M391 M416  
M431 M620 M782 M903 M904 M910 P943; R00828-M; 0828-U

M3 - [01] H1 H100 H181 H4 H498 H9 J0 J014 J1 J171 J2 J271 J3 J372 M210 M211  
M212 M213 M214 M215 M216 M220 M221 M222 M223 M224 M225 M226 M231 M232  
M233 M272 M281 M311 M312 M321 M322 M332 M342 M343 M349 M381 M393 M416  
M431 M620 M782 M903 M904 P943; 9819-11701-M

- [02] H1 H101 H182 J0 J014 J1 J172 J173 J2 J271 J272 J3 J373 K0 K2 K224  
M210 M211 M212 M213 M214 M215 M216 M220 M221 M222 M223 M224 M225 M226  
M231 M232 M233 M272 M281 M282 M311 M312 M322 M323 M332 M342 M343 M349  
M381 M393 M416 M431 M620 M782 M903 M904 P943; 9819-11702-M

- [03] H1 H100 H181 J0 J011 J1 J171 M280 M312 M321 M331 M340 M342 M349  
M381 M391 M416 M431 M620 M782 M903 M904 M910 P943; R01210-M; 1210-U

- [04] H1 H100 H181 J0 J011 J1 J171 M280 M311 M321 M342 M349 M381 M391  
M416 M431 M620 M782 M903 M904 M910 P943; R00104-M; 0104-U

- [05] B615 B702 B713 B720 B797 B815 B832 D011 D019 D931 F011 F012 F013  
F014 F015 F019 F113 F199 F432 H1 H100 H123 H2 H202 H4 H404 H424 H8 J0  
J011 J3 J311 K0 L8 L812 L819 L821 L834 L943 M280 M311 M322 M342 M373  
M392 M411 M431 M511 M523 M530 M540 M782 M903 M904 M910 P943; R00169-M;  
0169-U

- [06] H1 H100 H181 K0 K4 K431 M280 M312 M321 M332 M342 M383 M391 M416  
M431 M620 M782 M903 M904 M910 P943; R00828-M; 0828-U

PA - (NOEV-N) NOEVIR KK

PN - JP10059839 A 19980303 DW199819 A61K7/48 008pp

PR - JP19960239702 19960821

XA - C1998-067203  
 XIC - A61K-007/00 ; A61K-007/48 ; A61K-031/195 ; A61K-031/215 ; A61K-031/70 ;  
 A61K-038/00  
 AB - J10059839 External dermatological agent comprises one or more compounds selected from salts of oxidised and reduced form of glutathione alkyl ester (I) and amino acid (AA), optionally in addition to reduced form nicotinamide adenine dinucleotide (NADH) and/or reduced form nicotinamide adenine dinucleotide phosphate (NADPH). (I) are preferably glutathione 1-12 (especially 1-6)C alkyl ester and (AA) are preferably one or more of taurine, gamma-aminobutyric acid, pyroglutamic acid, glycine, alanine, aspartic acid or glutamic acid.  
 - MORE SPECIFICALLY - The salts of oxidised and reduced form of (I) and (AA) are of formula (I') and (II'). R1 = 1-12C alkyl; and R2 = H or 1-12C alkyl.  
 - USE - The agent ameliorates the skin from darkness, spots, freckles or pigmentation after sun-burn, protects or prevents aging of the skin by antioxidant activity.  
 - ADVANTAGE - The agent efficiently transports glutathione or its salt into the epidermis, dermis and melanocyte of the epidermal basal layer and is low in irritability to the skin, safe and stable. (I) exhibits excellent aging prevention and excellent skin-whitening effect when applied in small amounts.  
 - (Dwg.0/2)  
 CN - 9819-11701-M 9819-11702-M R01210-M R00104-M R00169-M R00828-M  
 DRL - 1210-U 0104-U 0169-U 0828-U  
 IW - EXTERNAL DERMATOLOGY AGENT PREVENT SKIN AGE COMPRISE SALT OXIDATION REDUCE FORM GLUTATHIONE ALKYL ESTER AMINO ACID OPTION ADD REDUCE FORM NICOTINAMIDE ADENINE DI NUCLEOTIDE PHOSPHATE  
 IKW - EXTERNAL DERMATOLOGY AGENT PREVENT SKIN AGE COMPRISE SALT OXIDATION REDUCE FORM GLUTATHIONE ALKYL ESTER AMINO ACID OPTION ADD REDUCE FORM NICOTINAMIDE ADENINE DI NUCLEOTIDE PHOSPHATE  
 NC - 001  
 OPD - 1996-08-21  
 ORD - 1998-03-03  
 PAW - (NOEV-N) NOEVIR KK  
 TI - External dermatological agent for preventing e.g skin ageing - comprises salts of oxidised and reduced form of glutathione alkyl ester and amino acids, optionally in addition to reduced form of nicotinamide adenine di:nucleotide (phosphate)